**Listing of Claims:**

1. (currently amended) An arrangement for the analysis of respiratory gases provided to and from a patient connected to a respirator, comprising:

a holder unit for a removably fitted water trap that is adapted to receive said respiratory gases, and

a connection that is adapted to provide liquid-free gas from the water trap to an analysing instrument to which analysing instrument the holder unit is connected, wherein

said holder unit includes an oxygen gas measuring unit for measuring oxygen gas in the liquid-free gas, [[and]]

said oxygen measuring unit receives the liquid-free gas after analysis of the liquid-free gas by the analysing instrument, and

said oxygen gas measuring unit is a fuel cell which is removably attached to said holder unit and has a connection that is adapted to receive the liquid-free gas from the analysing instrument via said holder unit.

2. (previously presented) An arrangement according to claim 1, wherein said arrangement further comprises a connection that is adapted to transport the liquid-free gas from the analysing instrument to the fuel cell.

3-6. (canceled)

7. (previously presented) An arrangement according to claim 1, wherein said fuel cell is provided with means adapted to perform signal communication with the analysing

instrument and that the signal communication includes information about the oxygen gas content in the liquid-free gas and/or information about the status of the fuel cell.

8. (previously presented) An arrangement according to claim 7, wherein said fuel cell is provided with at least one contact and the holder unit is provided with at least one corresponding contact that enables said signal communication.

9. (currently amended) An arrangement according to claim 8, wherein said holder unit has a first indentation adapted to house the water trap and a second indentation adapted to house the fuel cell behind the water trap, so that said holder unit holds the fuel cell ~~is easily accessible from the outside of~~ between the water trap and the analysing instrument.

10. (currently amended) An arrangement according to claim 9, wherein said holder unit is provided with interlocking means in the second indentation that correspond to interlocking means on the fuel cell.

11. (previously presented) An arrangement according to claim 10, wherein said interlocking means in the second indentation of the holder unit are at least one groove and that said interlocking means on the fuel cell are at least one protruding edge.

12. (currently amended) A fuel cell adapted to measure oxygen gas in a liquid free gas, the fuel cell being removably attachable to an arrangement for the analysis of

respiratory gases provided to and from a patient connected to a respirator, the arrangement comprising a holder unit for a removably fitted water trap that is adapted to receive said respiratory gases, and a connection that is adapted to provide the liquid-free gas from the water trap to an analysing instrument to which analysing instrument the holder unit is connected, wherein said fuel cell is attachable to the holder unit and has a connection that is adapted to receive the ~~liquid-free~~ liquid-free gas from the analysing instrument after analysis of the liquid-free gas by the analysing instrument.

13. (currently amended) A fuel cell according to claim 12, wherein ~~characterized in that~~ said fuel cell has a connection that is adapted to receive gas and/or a connection that is adapted to emit gas.

14. (previously presented) A fuel cell according to claim 13, wherein said fuel cell is provided with means adapted to perform signal communication.

15. (currently amended) A fuel cell according to claim [[15]] 14, wherein said fuel cell is provided with at least one contact that corresponds with at least one contact in the holder unit that enables said signal communication.

16. (previously presented) A fuel cell according to claim 10, wherein said fuel cell is provided with interlocking means that correspond to interlocking means in the holder unit.

17. (previously presented) A fuel cell according to claim 16, wherein said interlocking means on the fuel cell comprise at least one protruding edge that corresponds to at least one groove in the holder unit.

18-19. (canceled)

20. (previously presented) An arrangement according to claim 1, wherein said arrangement further comprises a connection that is adapted to transport the liquid-free gas to the analysing instrument.

21. (previously presented) An arrangement according to claim 2, wherein said arrangement further comprises a connection that is adapted to transport the liquid-free gas to the analysing instrument.

22. (canceled)

23. (currently amended) An arrangement according to claim 1, wherein said holder unit has a first indentation adapted to house the water trap and a second indentation adapted to house the fuel cell behind the water trap, so that said holder unit holds the fuel cell ~~is easily accessible from the outside of~~ between the water trap and the analysing instrument.